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contains collating components having two wavelengths of well-known absorption spectra in wavelength band close to said wavelengths of absorption spectra of said isotopes and said isotopes are isotopes of carbon dioxide gas.

7. (TWICE AMENDED) The spectroscopic method for analyzing isotopes according to claim 1, wherein

said isotopes of carbon dioxide gas as sample gas are  $^{12}\text{CO}_2$  and  $^{13}\text{CO}_2$ ; and

said  $^{12}\text{CO}_2$  and  $^{13}\text{CO}_2$  have pairs of following wavelengths

(a wavelength of isotope  $^{12}\text{CO}_2(\text{nm})$ ):(a wavelength of isotope  $^{13}\text{CO}_2(\text{nm})$ )

2054.37	:	2053.96
2044	:	2044.49
2035.34	:	2035.63
2010.18	:	2010.29
2002.51	:	2002.54
1995.99	:	1996.10

and a abundance ratio is measured by an absorbance in accordance with said a respective pair of wavelengths.